

IN THE SPECIFICATION

Please amend the specification as follows:

Please amend the paragraph at page 6, line 30 as follows:

The operation of the modulator 20 is based on either the Franz-Keldysh effect in a bulk semiconductor waveguide 22 (which means that the modulator 20 does not include quantum wells) or the quantum confined Stark effect in a MQW. When a strong electric field is applied to the waveguide 22, the band edge of the material is shifted to lower energies allowing it to absorb the output light of the laser 10, as shown in FIGS. 4A, 4B, and 4C. This technique allows very rapid modulation of the laser 10 with minimal wavelength chirping. Under proper conditions, this can produce sufficient optical loss to extinguish the output light intensity by more than 20 dB, even over a wide wavelength range.